



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Receive Bids and Purchase of 30,000 feet of #477MCM Bare Aluminum Conductor, and 40 each 55-foot Class 2 Wood Utility Poles (Estimated Cost \$45,000)

MEETING DATE: October 15, 1997

PREPARED BY: Finance Director

RECOMMENDED ACTION: That the City Council authorize receipt and opening of bids on October 17, 1997, and further authorize award as soon as possible thereafter, for the purchase of 30,000 feet of #477MCM bare aluminum conductor, and 40 each 55-foot Class 2 wood utility poles. Estimated costs are \$22,000 for the aluminum wire and \$23,000 for the poles.

BACKGROUND INFORMATION: On October 2 the Electric Utility Department notified the Finance Department's Purchasing Division of the need for materials to begin construction of the 12kV power line extension from the Industrial Substation to Cherokee Lane. Construction is scheduled to start December 1.

While many of the required construction materials are in inventory or readily available from suppliers, the #477MCM wire and 55-foot Class 2 poles must be formally bid and ordered. Because of the compressed time-line, the standard process of City Council approval of specifications (theoretically, October 15), formal advertising and opening of bids (October 29), and City Council's award (November 19) would allow insufficient time for material delivery to meet the December 1 start date. Therefore, staff requests the Council's approval to open bids on October 17, 1997 (with bids advertised on October 7), and to award as soon as possible thereafter to the lowest bidder able to deliver the materials by December 1. The City Council would be advised of bid results and subsequent awards at the meeting of November 5, 1997.

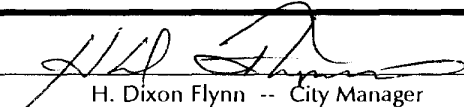
FUNDING: Electric Utility Department's Operating Fund


Vicky McAthie, Finance Director

Prepared by Joel Harris, Purchasing Officer

c: Electric Utility Director

APPROVED: _____


H. Dixon Flynn -- City Manager

EQUIPMENT SPECIFICATION

OVERHEAD CONDUCTORS, 477.0 KCM, BARE ALUMINUM (AAC)

GENERAL:

This specification is for stranded aluminum overhead conductor, suitable for use in the City of Lodi's 12.0 kv overhead distribution system.

SPECIFIC SPECIFICATIONS:

477.0 KCM all aluminum conductor (AAC), 19 strand, Class AA. Code Name: COSMOS.

STANDARDS:

The conductor shall meet the requirements of the latest edition of the applicable NEMA, ASTM and ANSI standards, unless otherwise noted in this specification.

SHIPPING:


Conductor to come in reels of 8,000 feet (nominal). Each end of the conductor shall be firmly secured to the reel. No lagging is required. All shipments shall be prepaid, F.O.B. Lodi, California. Reels shall be shipped upright.

REEL MARKING:

Each reel shall be marked with a durable label securely attached to a flange of the reel and plainly marked stating the destination, the purchaser's order number, shipping length of conductor on reel, weight of reel (tare weight), total weight of the conductor on reel, type and size of conductor and code name.

MAKE UP AND LENGTHS:

NEMA standard code reel #6628 (66 in. flange diameter, 28 in. traverse width) shall be used. Conductor length on each reel shall be 8,000 feet (nominal).

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|--|------------------------|------------------------|---|--|--------------------------|
|  CITY OF LODI ELECTRIC UTILITY DEPARTMENT | | | | ENGINEERING STANDARD OVERHEAD CONDUCTOR, PRIMARY, 477.0 KCM | |
| 8/11/87 DATE | <i>M.B.M.</i> DRAWN | <i>M.L.</i> CHECKED | <i>H. H. H.</i> STD. COMM. CHAIRMAN | <i>H. H. H.</i> APPROVAL | SHEET 1 OF 1 REVISION |

CITY OF LODI ELECTRIC UTILITY DEPARTMENT

SPECIFICATIONS

WOOD UTILITY POLES

1.0 SCOPE

These specifications cover the minimum acceptable quality of full-length wood poles for use in the City of Lodi's overhead distribution and subtransmission system.

2.0 SPECIFICATIONS

The following specifications shall be met:

- A. Poles and methods of manufacturing shall be in accordance with American National Standards Institute (ANSI), Rural Electrification Administration (REA) and American Wood Preservers Association (AWPA) latest revision, except the spiral grain of any pole shall not exceed one complete rotation in any 30 feet.
- B. Poles shall be cut, marked and bored as specified in Section 6.0 of this specification.

3.0 TREATING REQUIREMENTS

The following requirements shall be met:

- A. Prior to treatment, poles shall be seasoned to a maximum of twenty-five percent (25%) moisture content of the sapwood based upon the oven-dried weight.
- B. Poles shall be Douglas Fir and pressure-treated with pentachlorophenol in accordance with the requirements of AWPAs Standards C1, "All Timber Products - Preservative Treatment by Pressure Processes," and C4, "Poles - Preservative Treatment by Pressure Processes," or the latest revisions thereof.
- C. The pentachlorophenol shall meet the requirements of AWPAs Standard P8, "Standards for Organic Preservative Systems," or the latest revision thereof. The carriers shall be a petroleum solvent in conformance with the latest edition of AWPAs Standard P9, "Standard for Hydrocarbon Solvents for Oil-Borne Preservative."

4.0 ALTERNATE SPECIES AND TREATMENTS

The following species and treatments which otherwise meet or exceed the requirements of these specifications will be considered as alternate:

- Species other than Douglas Fir.
- Douglas Fir pressure treated with pentachlorophenol in heavy petroleum solution.
- Copper naphthenate treatment.

5.0 HANDLING AND SHIPPING

The following requirements shall be met:

- A. After treatment, the pole surface shall not be damaged by dragging or from the use of cant hooks, peavies, tongs, cables, slings and other tools normally used in pole-handling operations.
- B. Unloading shall be performed only by crane or unloader supplied by the trucker/bidder. All shipments will be F.O.B. delivered and unloaded, Lodi, California.

6.0 ADDITIONAL REQUIREMENTS

The following requirements shall be met:

A. Marking

Poles shall be permanently marked on the face and the butt of each pole in accordance with ANSI Standards.

Exception: The distance of the pole brands from the butt shall be:

- 10 feet for 50-foot pole lengths and below;
- 14 feet for 55-foot to 75-foot pole lengths;
- 18 feet for 80-foot to 100-foot pole lengths.

B. Cutting and Boring

- Full length treated poles shall be cut and marked before treatment.
- Poles shall be cut so that the butts are approximately square.
- Poles shall be cut so that the tops have a slope in any direction of approximately two inches (2") over the diameter.

RESOLUTION NO. 97-166

A RESOLUTION OF THE LODI CITY COUNCIL APPROVING THE RECEIPT AND OPENING OF BIDS FOR 30,000 FEET OF #477MCM BARE ALUMINUM CONDUCTOR, AND 40 EACH 55-FOOT CLASS 2 WOOD UTILITY POLES, AND FURTHER AUTHORIZE STAFF TO AWARD BIDS IMMEDIATELY

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WHEREAS, the Electric Utility Department is in need of 30,000 feet of #477MCM Bare Aluminum Conductor, and 40 each 55-foot Class 2 Wood Utility Poles to begin construction of the 12kV power line extension from the Industrial Substation to Cherokee Lane, which is scheduled to begin December 1, 1997; and

WHEREAS, strict adherence to formal advertising and opening of bids and City Council's award time line would allow insufficient time for material delivery to meet the December 1 start date; and

WHEREAS, it is staff recommendation that the City Council authorize the receipt and opening of bids on October 17, 1997, and further authorize staff to award the bids to the lowest responsible bidder immediately following the evaluation of the bids; and

WHEREAS, bid results and subsequent awards to be made to the City Council at the meeting of November 5, 1997.

NOW, THEREFORE, BE IT RESOLVED, that the Lodi City Council hereby authorizes receipt and opening of bids on October 17, 1997 for 30,000 feet of #477MCM Bare Aluminum Conductor, and 40 each 55-foot Class 2 Wood Utility Poles, and hereby authorizes staff to award the bids to the lowest responsible bidders immediately following the evaluation of bids in the estimated amounts of \$22,000.00 for the aluminum wire, and \$23,000.00 for the utility poles.

Dated: October 15, 1997

I hereby certify that Resolution No. 97-166 was passed and adopted by the City Council of the City of Lodi in a regular meeting held October 15, 1997, by the following vote:

AYES: COUNCIL MEMBERS – Land, Mann, Sieglock, Warner and Pennino (Mayor)

NOES: COUNCIL MEMBERS - None

ABSENT: COUNCIL MEMBERS - None

ABSTAIN: COUNCIL MEMBERS - None


ALICE M. REIMCHE
City Clerk